

What is claimed is:

1. A display apparatus including a substrate, a plurality of pixels formed on said substrate, and a barrier plate for separating adjoining pixels of said pixels from each other, wherein:

5 each of said pixels comprises a lower layer portion including a wiring formed on said substrate, an upper portion including an organic electro-luminescent element, and a middle layer portion for electrically insulating said lower layer portion and said upper layer portion from each other, and

10 said organic electro-luminescent element is connected with the wiring through a contact hole formed in said middle layer portion, and further

said barrier plate is disposed in said upper layer portion so as to overlap with a region including the contact hole.

15 2. The display apparatus according to claim 1, wherein:

said organic electro-luminescent element is composed of a reflective anode connected with said wiring, a transparent cathode disposed at a front face of said organic electro-luminescent element, and

20 an organic layer held between the anode and the cathode, and

the organic layer emits light by recombination of a hole supplied from the anode and an electron supplied from the cathode, and further the emitted light is taken out of the cathode disposed at the front face.

25 3. The display apparatus according to claim 2, wherein:

said organic layer is composed of laminated films piled up selectively by means of a mask disposed over said substrate in a way of putting said barrier plate between the mask and said substrate.

30 4. The display apparatus according to claim 1, wherein:

said lower layer portion comprises

- a scanning wiring, a part of said wiring, for supplying first electric information for selecting said pixels,
- a data wiring, another part of said wiring, for supplying brightness information for driving said pixels,
- a first active element controlled by second electric information supplied from the scanning wiring and having a function of writing the brightness information supplied from the data wiring into one of said pixels, and
- a second active element having a function of controlling emission of light of said organic electro-luminescent element by supplying a current to said organic electro-luminescent element in accordance with the written brightness information.

5. A method for manufacturing a display apparatus including a substrate, a plurality of pixels formed on said substrate, and a barrier plate for separating adjoining pixels of said pixels from each other, each of said pixels having a lower layer portion including a wiring formed on said substrate, an upper portion including an organic electro-luminescent element, and a middle layer portion for insulating said lower layer portion and said upper layer portion from each other electrically, said method comprising the steps of:

- forming said lower layer portion including the wiring on said substrate;
- forming said middle layer portion so as to cover said lower layer portion;
- forming a contact hole connected with the wiring in said middle layer;
- forming said organic electro-luminescent element on said middle layer portion to connect said organic electro-luminescent element with

the wiring in said lower layer portion through the contact hole formed in said middle layer portion; and

disposing said barrier plate so as to overlap with a region including the contact hole.

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6. The method according to claim 5, wherein:

said step of forming said organic electro-luminescent element is to form said organic electro-luminescent element composed of a reflective anode connected to said wiring, a transparent cathode disposed at a front
10 face of said organic electro-luminescent element, and an organic layer held between the anode and the cathode, and

the organic layer emits light by recombination of a hole supplied from the anode and an electron supplied from the cathode, and further
the emitted light is taken out of the cathode disposed at the front
15 face.

7. The method according to claim 6, wherein:

said organic layer is formed by piling laminated films selectively by means of a mask disposed over said substrate in a way of putting said
20 barrier plate between the mask and said substrate.

8. The method according to claim 5, wherein:

said step of forming said lower layer portion comprises the steps of:

25 forming a scanning wiring, a part of said wiring, for supplying first electric information for selecting said pixels;

forming a data wiring, another part of said wiring, for supplying brightness information for driving said pixels;

forming a first active element controlled by second electric
30 information supplied from the scanning wiring and having a function of

writing the brightness information supplied from the data wiring into one of said pixels; and

forming a second active element having a function of controlling emission of light of said organic electro-luminescent element by supplying
5 a current to said organic electro-luminescent element in accordance with the written brightness information.